



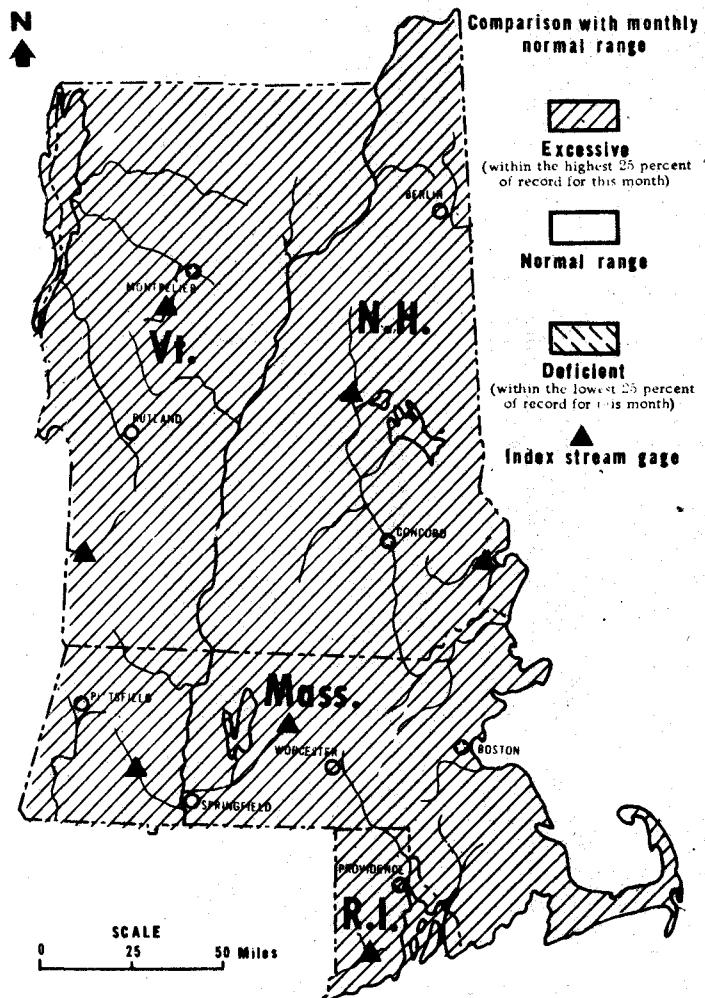
# CURRENT WATER RESOURCES CONDITIONS IN CENTRAL NEW ENGLAND



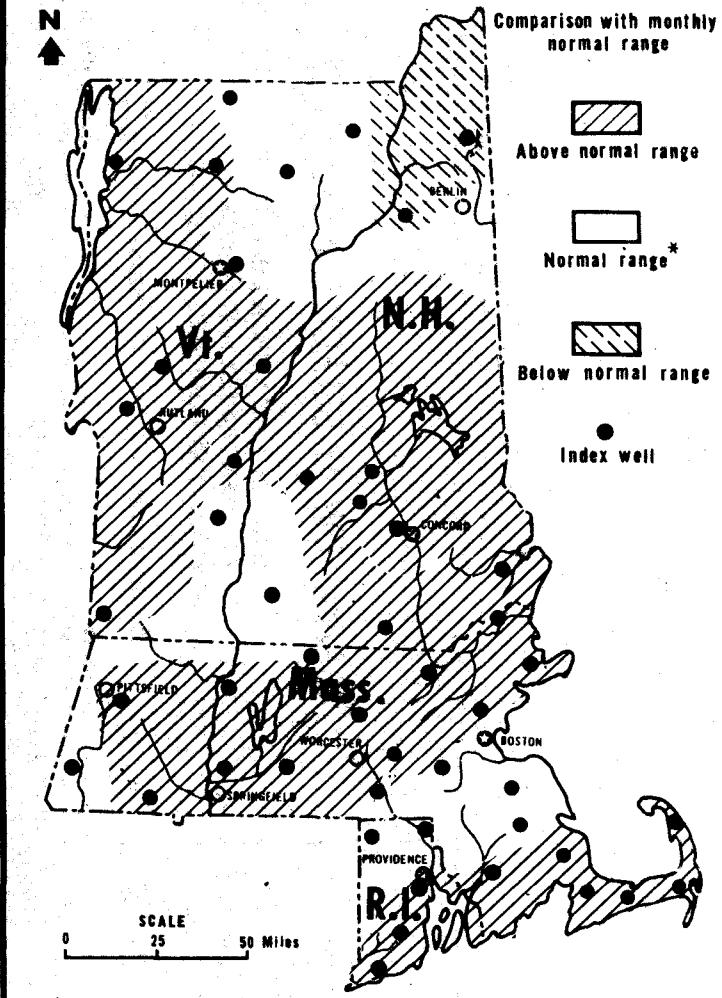
WATER RESOURCES DIVISION, U.S. GEOLOGICAL SURVEY

IN COOPERATION WITH THE STATES OF  
MASSACHUSETTS, NEW HAMPSHIRE, RHODE ISLAND, AND VERMONT

## SURFACE-WATER RUNOFF JUNE 1983



## GROUND-WATER LEVELS JUNE 1983



\* Within 30% above or below monthly average water level

Storage in the major reservoirs is in the normal range.

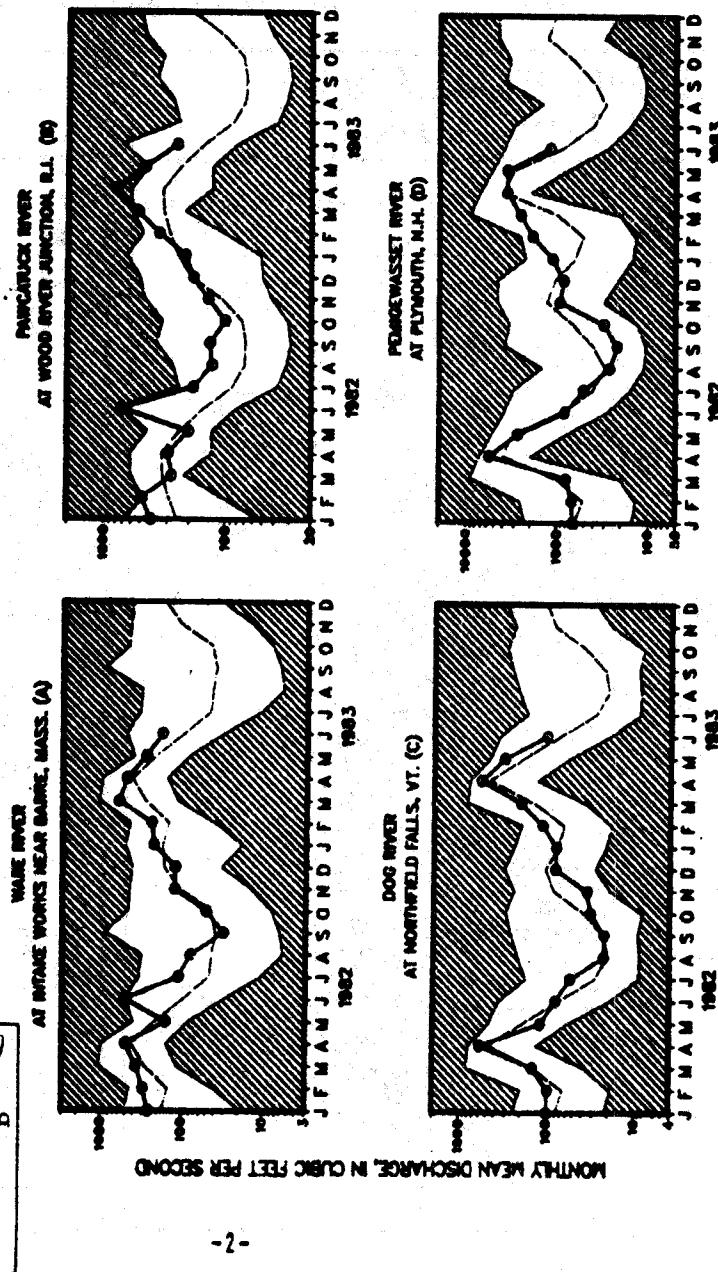
Water Levels in five wells in Massachusetts and Rhode Island were the highest recorded for the end of June. One of these observed water levels equaled or exceeded the previous highest recorded water levels for the period of record.

## STREAMFLOW AT SELECTED INDEX GAGES

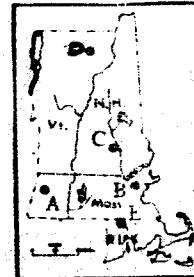
UNSHADeD AREA SHOWS RANGE  
BETWEEN HIGHEST AND LOWEST  
MONTHLY MEAN DISCHARGE OF RECORD

CURRENT RECORDS — — —

MEDIAN - - -

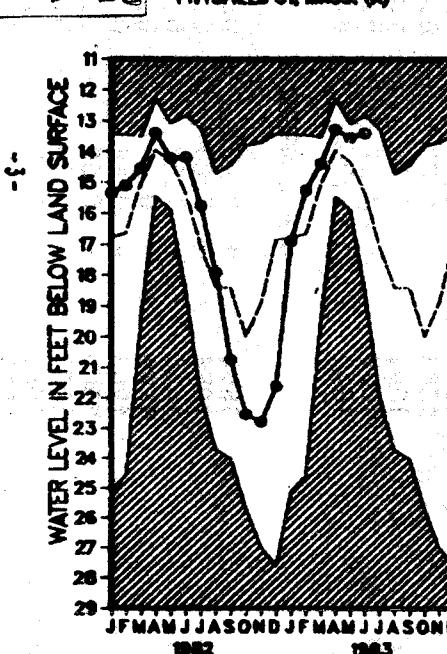


## GROUND-WATER LEVELS IN SELECTED OBSERVATION WELLS

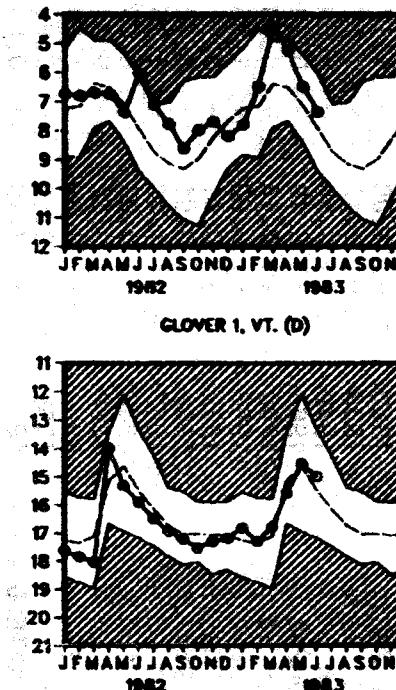


UNSHADED AREA SHOWS RANGE  
BETWEEN HIGHEST AND LOWEST  
MONTH-END WATER LEVEL

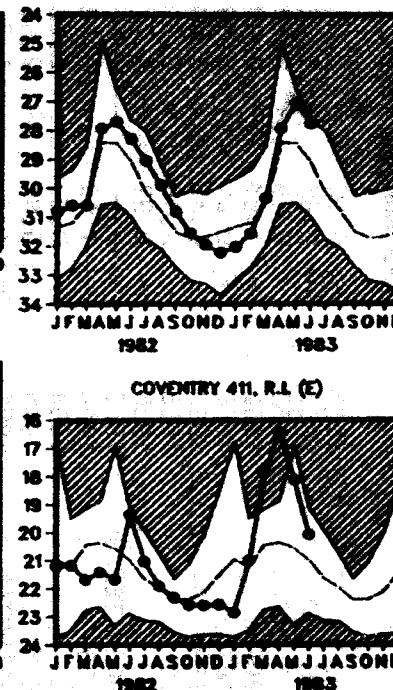
CURRENT RECORDS ————— AVERAGE —————



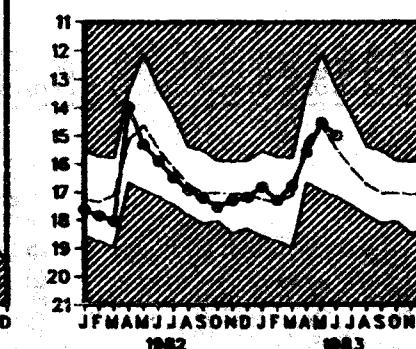
WILMINGTON 78, MASS. (B)



WARNER 1, N.H. (C)



GLOVER 1, VT. (D)



COVENTRY 411, R.L. (E)



SUMMARY OF GROUND-WATER LEVELS, JUNE, 1983 PROVISIONAL

WELL	START OF RECORD	NET CHANGE IN MONTH	NET CHANGE IN ONE YEAR	DEPARTURE FROM JUNE AVERAGE*	WATER LEVEL BELOW LAND- SURFACE DATUM	(FEET)	(FEET)	(FEET)	DAY
MASSACHUSETTS									
ACTON 158	1965	- 0.92	- 0.91	+ 1.17	16.91	22			
BARNSTABLE 230	1957	- 0.65	+ 1.72	+ 0.96	22.23	24			
BARNSTABLE 247	1962	- 0.19	+ 2.82	+ 1.57	22.26	24			
BOURNE 198	1962	- 1.04	+ 2.00	+ 1.28	31.50	23			
BREWSTER 21	1962	+ 0.21	+ 3.30	+ 1.77	7.55	24			
CHATHAM 138	1962	- 0.44	+ 1.89	+ 1.55	21.66	23			
DEDHAM 231	1965	- 2.16	- 3.41	+ 0.01	7.54	23			
DOVER 10	1965	- 0.97	- 1.77	+ 0.33	32.08	22			
EAST BRIDGEWATER 30	1958								
FREETOWN 23	1964	- 1.13	+ 0.94	+ 1.71	11.09 >	23			
GRANBY 68	1954	- 0.97	- 0.95	+ 0.90	6.80	21			
GRANVILLE 5	1965	+ 0.65	+ 2.92	+ 4.14	28.06 >>	21			
GREAT BARRINGTON 2	1951	- 1.97	- 1.07	+ 1.08	10.21	21			
HAVERHILL 23	1960	- 1.08	- 1.17	+ 1.40	10.22	22			
LOWELL 14	1939	- 1.17	- 1.57	+ 1.34	10.63	22			
MONTAGUE 5	1942	- 0.63	- 0.09	+ 1.51	2.02	21			
NORTHBRIDGE 1	1965	- 0.13	- 0.38	+ 0.37	2.52	21			
PITTSFIELD 51	1963	+ 0.14	+ 0.78	+ 1.85	13.39	21			
PLYMOUTH 22	1956	- 0.80	+ 1.55	+ 2.48	20.80	23			
SANDWICH 252	1962	- 0.41	+ 0.67	+ 0.65	46.35 >	24			
SANDWICH 253	1962	- 0.01	+ 3.12	+ 1.52	47.53	24			
STERLING 1	1947	- 1.43	- 1.25	+ 0.81	4.38	21			
TOPSFIELD 1	1936	- 0.83	- 2.25	+ 0.19	11.76	22			
TRURO 89	1962	- 0.52	+ 0.31	+ 0.66	11.27	22			
WELLFLEET 17	1962	- 0.38	+ 1.24	+ 1.24	8.39	22			
WENHAM 76	1965	- 0.58	- 0.60	+ 1.00	1.94	22			
WEST BROOKFIELD 2	1959	- 0.19	+ 0.96	+ 3.14	15.98 >	21			
WEST BROOKFIELD 10	1970	- 2.96	- 3.29	+ 0.69	5.61	21			
WEYMOUTH 2	1965	- 1.98	- 2.64	+ 0.84	10.60	23			
WILMINGTON 78	1951	- 0.86	- 1.29	+ 0.59	7.35	22			
WINCHENDON 13	1939	- 2.07	- 0.72	+ 0.60	5.64	21			
WINCHESTER 14	1940	- 1.04	- 3.18	- 0.04	11.14	22			
NEW HAMPSHIRE									
CONCORD 2	1963	+ 0.45	+ 0.90	+ 0.33	39.23	21			
CONCORD 3	1966	0.00	- 0.10	+ 0.22	56.62	21			
CONCORD 4	1966	- 0.29	+ 0.02	+ 1.16	15.37	21			
ERROL 1	1966	- 0.2	- 0.5	- 0.5	12.0	23			
FRANKLIN 1	1966	- 0.15	- 0.05	+ 1.34	9.04	21			
HOOKSETT 5	1965	- 0.59	- 0.10	+ 0.17	46.09	21			
KEENE 2	1963	- 1.25	- 0.78	- 0.12	4.16	23			
LANCASTER 1	1966	- 1.10	- 0.01	- 0.26	1.99	24			
LEE 1	1953	- 0.19	- 0.06	+ 0.37	30.63	21			
MERRIMACK 22	1958	- 0.62	- 0.54	+ 1.26	6.67	21			
MILFORD 36	1962	- 0.65	- 0.58	+ 1.03	7.78	24			
NASHUA 143	1958	- 0.35	- 0.15	+ 1.24	6.88	21			
NASHUA 218	1964	0.00	- 0.47	+ 0.58	26.90	21			
NEW LONDON 1	1947	- 1.71	+ 1.54	+ 1.62	7.16	21			
WARNER 1	1965	- 0.71	+ 0.55	+ 1.26	27.75	21			

WELL	START OF RECORD	NET CHANGE IN MONTH	IN ONE YEAR	DEPARTURE FROM JUNE AVERAGE*	WATER LEVEL BELOW LAND- SURFACE DATUM	(FEET)	(FEET)	(FEET)	DAY
RHODE ISLAND									
BURRILLVILLE 187	1968	- 1.57	- 1.44	+ 0.57	13.96	25			
CHARLESTOWN 18	1946	- 2.18	- 2.69	+ 2.17	15.02	25			
COVENTRY 411	1961	- 1.97	- 0.73	+ 0.85	20.09	25			
EXETER 16	1946	- 1.67	+ 0.17	+ 2.78	7.65 >	25			
PAWTUCKET 136	1962	- 1.06	0.0	+ 1.05	3.44	25			
WEST GREENWICH 181	1969	- 0.42	- 1.06	+ 0.13	16.09	25			
VERMONT									
BERKSHIRE 1	1966	- 1.33	+ 0.72	+ 0.35	14.35	20			
BRIGHTON 1	1966	- 0.42	+ 0.12	+ 0.11	3.75				
CHESTER 1	1966	- 1.15	- 0.51	+ 0.06	5.28	20			
GLOVER 1	1966	- 0.45	+ 0.91	+ 0.46	14.98	20			
HARTLAND 54	1969	- 0.58	+ 0.15	+ 0.26	8.37	21			
MIDDLESEX 3	1966	- 0.77	+ 0.13	+ 0.01	22.26	20			
MILTON 3	1956	+ 0.37	+ 4.62	+ 6.09	22.65	20			
MONTPELIER 2	1966	- 1.48	+ 0.81	+ 0.26	14.94	20			
MORRISTOWN 1	1966	- 0.91	+ 0.32	+ 0.61	18.02	20			
PITTSFORD 8	1957	+ 0.31	+ 0.12	+ 1.48	35.04	21			
POWNAL 1	1964	- 1.17	+ 0.13	+ 0.40	13.31	22			
ROCHESTER 1	1966	- 2.39	+ 0.95	+ 0.92	10.33	21			
WAITSFIELD 3	1975	- 0.83	+ 0.04	+ 0.38	6.59	21>			
WEST FAIRLEE 1	1966	- 0.81	+ 0.15	+ 0.39	3.15	21			

> SET NEW HIGH OR EQUALLED HIGHEST RECORDED WATER LEVEL FOR END OF JUNE  
 >> SET NEW HIGH OR EQUALLED HIGHEST RECORDED WATER LEVEL FOR PERIOD OF RECORD

< SET NEW LOW OR EQUALLED LOWEST RECORDED WATER LEVEL FOR END OF JUNE

<< SET NEW LOW OR EQUALLED LOWEST RECORDED WATER LEVEL FOR PERIOD OF RECORD

\* MONTHLY AVERAGE INCLUDES CURRENT MEASUREMENT

-- DATA NOT AVAILABLE

A MONTHLY REPORT PREPARED BY THE  
 U.S. GEOLOGICAL SURVEY, WATER RESOURCES DIVISION  
 SUITE 1309, 150 CAUSEWAY STREET, BOSTON, MA 02114

IN COOPERATION WITH THE STATES OF  
 MASSACHUSETTS, NEW HAMPSHIRE, RHODE ISLAND, AND VERMONT